

WHAT IS CLAIMED IS:

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1. A communication control apparatus comprising:
a call managing unit detecting a current state of
communications in a predetermined route on an IP network; and
a determination unit determining, in response to a request
for connecting a new call to the predetermined route, whether
the request is accepted or rejected based on a result of
comparison of the detected state of communications and a
maximum amount of traffic of packets permitted for the
predetermined route.

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2. The communication control apparatus according to
claim 1, wherein the current state of communications, detected
by the call managing unit, is either the number of current
connections in the predetermined route or a bandwidth allocated
for the predetermined route.

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3. A communication control method comprising the steps
of:
detecting a current state of communications in a
predetermined route on an IP network; and
determining, in response to a request for connecting a new
call to the predetermined route, whether the request is accepted
or rejected based on a result of comparison of the detected state
of communications in the predetermined route and a maximum
amount of traffic of packets permitted for the predetermined
route.

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4. A communication system in which packets are transmitted over an IP network, the communication system including a gateway which connects a terminal on the gateway to the IP network, a gatekeeper which maps a phone number of the terminal into an IP address on the IP network, and a communication control apparatus,

the communication control apparatus comprising:

a call managing unit detecting a current state of communications in a predetermined route on the IP network; and

a determination unit determining, in response to a request for connecting a new call to the predetermined route, whether the request is accepted or rejected based on a result of comparison of the detected state of communications and a maximum amount of traffic of packets permitted for the predetermined route.

5. The communication system according to claim 4, wherein the call managing unit and the determination unit of the communication control apparatus have a function to communicate with the gatekeeper.